

FASTA searches a protein or DNA sequence data bank  
version 3.3t05 March 30, 2000

Please cite:

W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448

/tmp/fastaCAAygaWej: 995 aa  
>SEQ ID NO:2  
vs /tmp/fastaDAAzgaWej library  
searching /tmp/fastaDAAzgaWej library

1008 residues in 1 sequences

FASTA (3.34 January 2000) function [optimized, BL50 matrix (15:-5)] ktup: 2  
join: 39, opt: 27, gap-pen: -12/ -2, width: 16  
Scan time: 0.034

The best scores are: opt  
M13699 ACCESSION:M13699 NID: gi 180255 gb M13699. (1008) 2671

>>M13699 ACCESSION:M13699 NID: gi 180255 gb M13699.1 HUM (1008 aa)  
initn: 1414 init1: 972 opt: 2671  
Smith-Waterman score: 3980; 57.002% identity in 1014 aa overlap (1-992:1-1008)

	10	20	30	40	50
SEQ	MKILILGIFLFLCSPGWAIDRH	CYIGIEESIWNYP	SGKNMLNEKPF	SEDL	-----FLQ
	.....	..	....	..	....
M13699	MKILILGIFLFLCSTPAWAKEKH	YIYIGIETTW	DYA---SDHGEKKLISVDTEH	SNIYLQ	
	10	20	30	40	50
	60	70	80	90	100
SEQ	GGQARKSFVFKKALYFQYTDNT	FQRIIEKPSWLGFLGPMIKAET	GDFIYVHVKNNASRAY		
	..	..	.....	.....	.....
M13699	NGPDRIGRLYKKALYLQYTD	ETFRTTIEKPVWLGFLGPIIKAET	GDKVYVHLKNLASRPY		
	60	70	80	90	100
	120	130	140	150	160
SEQ	SYHPHGLTYSKENEAHGAIY	PDNTTGLQKEVEYLEPGKQY	TYKWYVEEHQGP	GNDSNCV	
	...	.....	.....	.....	.....
M13699	TFHSHGITYYKEHE--GAIY	PDNTTDFQRADDKVYPGEQY	TYMLLATEEQSPGEGD	GNCV	
	120	130	140	150	160
	180	190	200	210	220
SEQ	TRIVHSHIDTARDVASGLIG	PILTCKRGT	LNQDTEKDIDRSSFLMF	STDESRSWYSDEN	
	.....	.....	.....	.....	.....
M13699	TRIVHSHIDAPKDIASGLIG	PLIICKKDSLDKEKEKHIDREF	VVMFVVDENFSWYLEDN		
	180	190	200	210	220
	240	250	260	270	280
SEQ	IRAF-TESGKINTSDPRFEES	MSMQSINGYIYGNL	PNLTMCAEDRVQWYFVGM	GGVADIH	
	....	..	.....	.....	.....
M13699	IKTYCSEPEKVDKDNE	DFQESNRMYSVNGYTFGSLPGLSMCAEDRV	KWYLFMGNEVDVH		
	240	250	260	270	280
	300	310	320	330	340
SEQ	PVYLRGQTLISRNHRKDTIM	LPSSLEDAFMVAKAPGVWMLGCQ	-----IHESMQAFFKVS		
	.....	.....	.....	.....	.....
M13699	AAFFHGGQALT	NKNYRIDTINLFPATLFDAYMVAQN	PGEWMLSCQNLNHLKAGLQAFFQVQ		
	300	310	320	330	340

	360	370	380	390	400	410
SEQ	NCQKPST	EAFTV	GTGTH	VIHY	YIAAKE	ILWNY
	....	...	.	:	:	:
M13699	ECNKSS	SKDNIR	GKHVR	HYIAAE	EIIWNY	APSGID
	360	370	380	390	400	410

  

	420	430	440	450	460
SEQ	IGGTYK	KLIYRE	YTDASF	QTQKAR	---EEH
	.....	.....	.....	.....	.....
M13699	IGGSYK	KLVYRE	YTDASF	TNRKER	GPREEH
	420	430	440	450	460

  

	470	480	490	500	510	520
SEQ	QPPGLH	YHNKSN	EGLFYE	---TPGG	-STPPP	SSHVSP
	..	.....	..	..	.....	.....
M13699	EPIGVR	FNKNNE	GTYYS	PNYNPQ	SRSVPP	SASHVA
	480	490	500	510	520	530

  

	530	540	550	560	570	580
SEQ	TWFFYS	VNGKKD	INSGLL	GPLLIC	RNGSLG	DDGKQK
	.....	...	.....	.....	.....	.....
M13699	AKMYSA	VDPTKD	IFTGLI	GPMKIC	KKGSLH	ANGRQK
	540	550	560	570	580	590

  

	590	600	610	620	630	640
SEQ	N-RTFI	TEPENI	DKEDTD	CQASNK	MYRING	YMYGNL
	:	:	:	:	:	:
M13699	NIRMTT	APDQVK	EDEDFO	ESNKM	HSMNGF	MYGNQP
	600	610	620	630	640	650

  

	650	660	670	680	690	700
SEQ	HGIYFS	GNFTFT	SLGARR	DTIPMF	PYTSQT	LLMTPD
	.....	:	.....	:	.....	:
M13699	HGIYFS	GNTYLW	RGERRD	TANLFP	QTSLSL	THMWP
	660	670	680	690	700	710

  

	710	720	730	740	750	760
SEQ	RQCGKP	NPDPQT	QYQEEK	IIITIA	AEEMEW	DYSPSR
	::	..	...	:	.....	.....
M13699	NQCRQ	SEDSTF	YLGERT	YY-IAA	VEVEW	DYSPQR
	720	730	740	750	760	770

  

	770	780	790	800	810	820
SEQ	LGSKYK	KVLYRQ	YDDNTF	TNQTKR	NEGEKH	LDILGP
	.....	.....	.....	.....	.....	.....
M13699	IGSKYK	KVVYRQ	YTDSTF	RVPPER	KAEEEH	LGILGP
	780	790	800	810	820	830

  

	830	840	850	860	870	880
SEQ	HAHGVT	MNSTV	VPQPG	EIQIYT	WQIPDR	TGPTSL
	.....	.....	.....	.....	.....	.....
M13699	HAHGVT	QTESST	VTPTLP	GETLTY	VWVKIP	ERSGAG
	840	850	860	870	880	890

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      890      900      910      920      930
SEQ    GPLSVCR----KDINPN-IVHRVLHFMIFDENESWYFEDSINTYASKPNKVVDKENDNFQL
      ::: ::: : ::: .. .: .....:
M13699 GPLIVCRRPYLKVFNPRRKLEFALLFLVFDENESWYLDDNIKTYS DHPEKVNKDDEEFIE
      900      910      920      930      940      950

      940      950      960      970      980      990
SEQ    SNQMHAINGRLFGNNQGITFHVGDVVNWYLLIGIGNEADLHTVHFHGH SFYKHKYLI
      .....: .....: .....: .....: .....:
M13699 SNKMHAINGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGH SFQYKHR
      960      970      980      990      1000

```

995 residues in 1 query sequences

1008 residues in 1 library sequences

Scomplib [version 3.3t05 March 30, 2000]

start: Wed Sep 18 11:18:07 2002 done: Wed Sep 18 11:18:08 2002

Scan time: 0.034 Display time: 1.433

Function used was FASTA